

- SUBS AD
SUBS BS*
1. A pin kit with a plurality of pins for an apparatus for forming a plurality of V-shaped grooves at a desired interval on a light guide panel, the pin kit comprising:
a buffer plate affixed to a lift piece, the buffer plate having an elastic member fixed at a lower side of the buffer plate;
- 5 a guide plate having insertion holes for a plurality of pins, the insertion holes being positioned to permit contact between one of the pins and the elastic member; and
a pin to be inserted into the insertion hole on the guide plate for forming V-shaped grooves in the light guide panel.
- 10 2. A pin kit as claimed in claim 1, further comprising a fixation member affixed to the lift piece and a clamp having a jaw affixed to the fixation member by an engagement, wherein the buffer plate and the guide plate are disposed between the fixation member and the clamp.
- 15 3. A pin kit as claimed in claim 1, further comprising a plurality of height control bolts in screw engagement for adjusting an angular orientation of the buffer plate in accordance with a lateral direction of a clamp.
- 20 4. A pin kit as claimed in claim 3, further comprising a lock plate for maintaining adjustment of the height control bolts on an upper side of the clamp, the lock plate being fixed by an engagement.
- 25 5. A pin kit as claimed in claim 1, further comprising a magnet inserted within the buffer plate, a magnet abutting the fixation member in contact with an upper side of the buffer plate, and a magnet abutting a lower side of the clamp.
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6. A pin kit as claimed in claim 1, further comprising a fixation member having an insertion groove at the bottom thereof, wherein the fixation member is affixed to a lift piece, and wherein the buffer plate and the guide plate are affixed to the insertion groove.

7. A pin kit as claimed in claim 1, wherein the buffer plate is comparatively thin proximate insertion holes spaced apart by a comparatively large interval, and wherein the buffer plate is comparatively thick proximate insertion holes spaced apart by a comparatively narrow interval, so as to form a substantially uniform slant of the buffer plate.

8. A pin kit as claimed in claim 7, further comprising:
two joggles positioned between the buffer plate and the guide plate, wherein the joggles are affixed to one of the buffer plate and the guide plate; and

10 two position holes formed in one of the guide plate and the buffer plate, each position hole corresponding to a joggle.

9. A pin as claimed in claim 1, wherein the elastic member comprises at least two separate materials.

15 10. A pin kit as claimed in claim 1, wherein the guide plate comprises a plurality of plates.

11. A pin kit as claimed in claim 1, further comprising:
20 two joggles positioned between the buffer plate and the guide plate, wherein the joggles are affixed to one of the buffer plate and the guide plate; and
two position holes formed in one of the guide plate and the buffer plate, each position hole corresponding to a joggle.